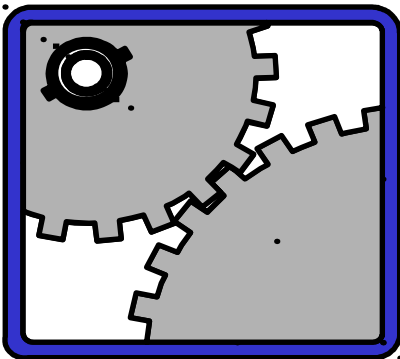
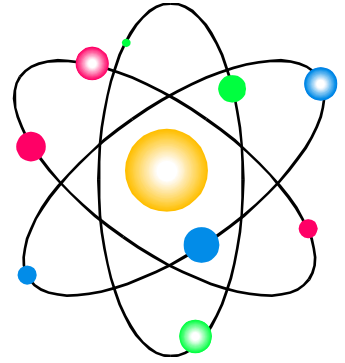


DOEHRS-HC
v3.2.13



Audiometer Functional Check and Biological Calibration





❖ Open the CCA-200 Audiometer Software

No Password Required!

❖ Logon to DOEHRS-HC

❖ Minimize DOEHRS-HC







Perform Audiometer Calibration Checks at the Beginning of Each Day Testing is Completed:

- Functional Check
- Daily Biological Calibration Check

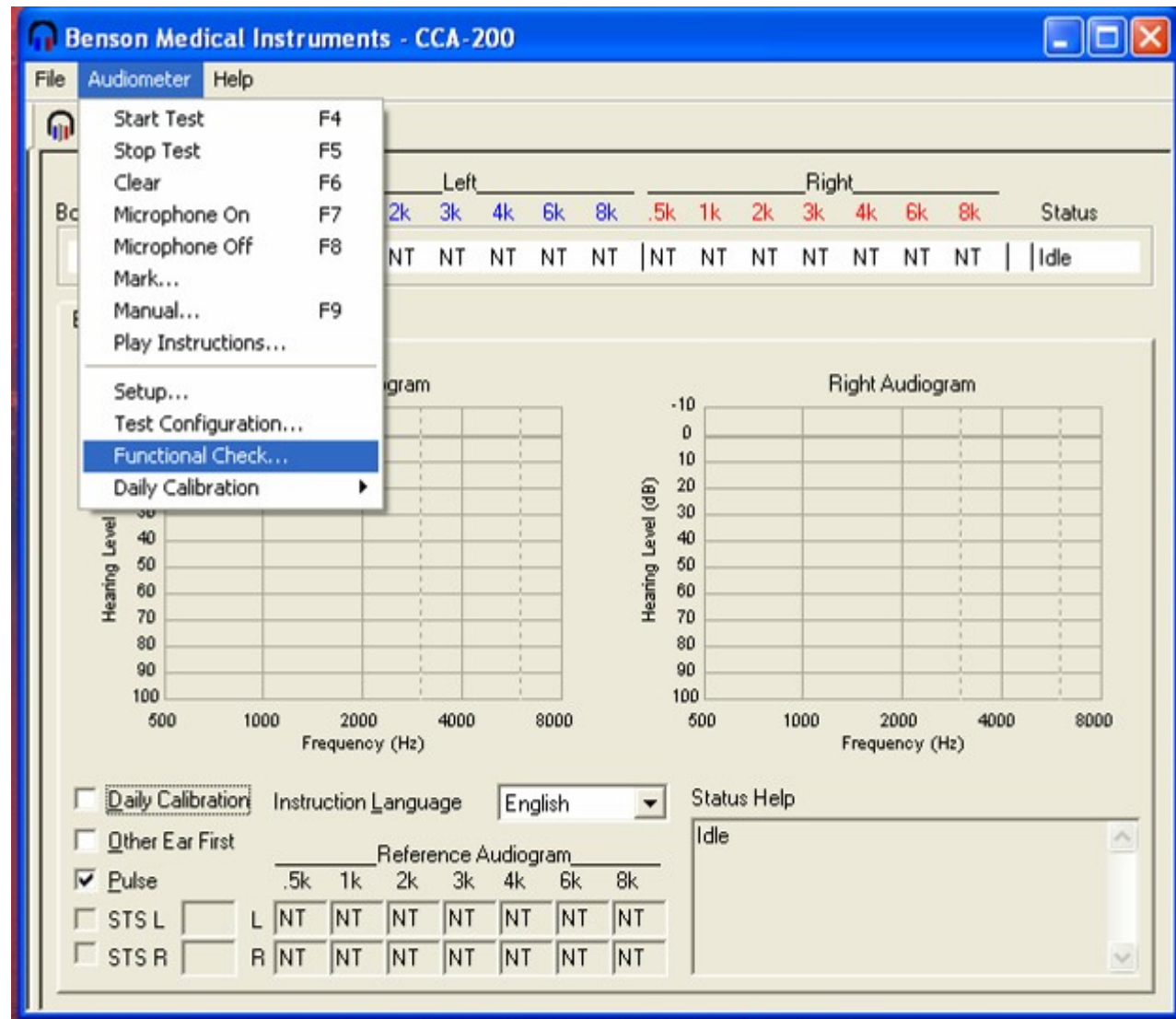


Functional Check

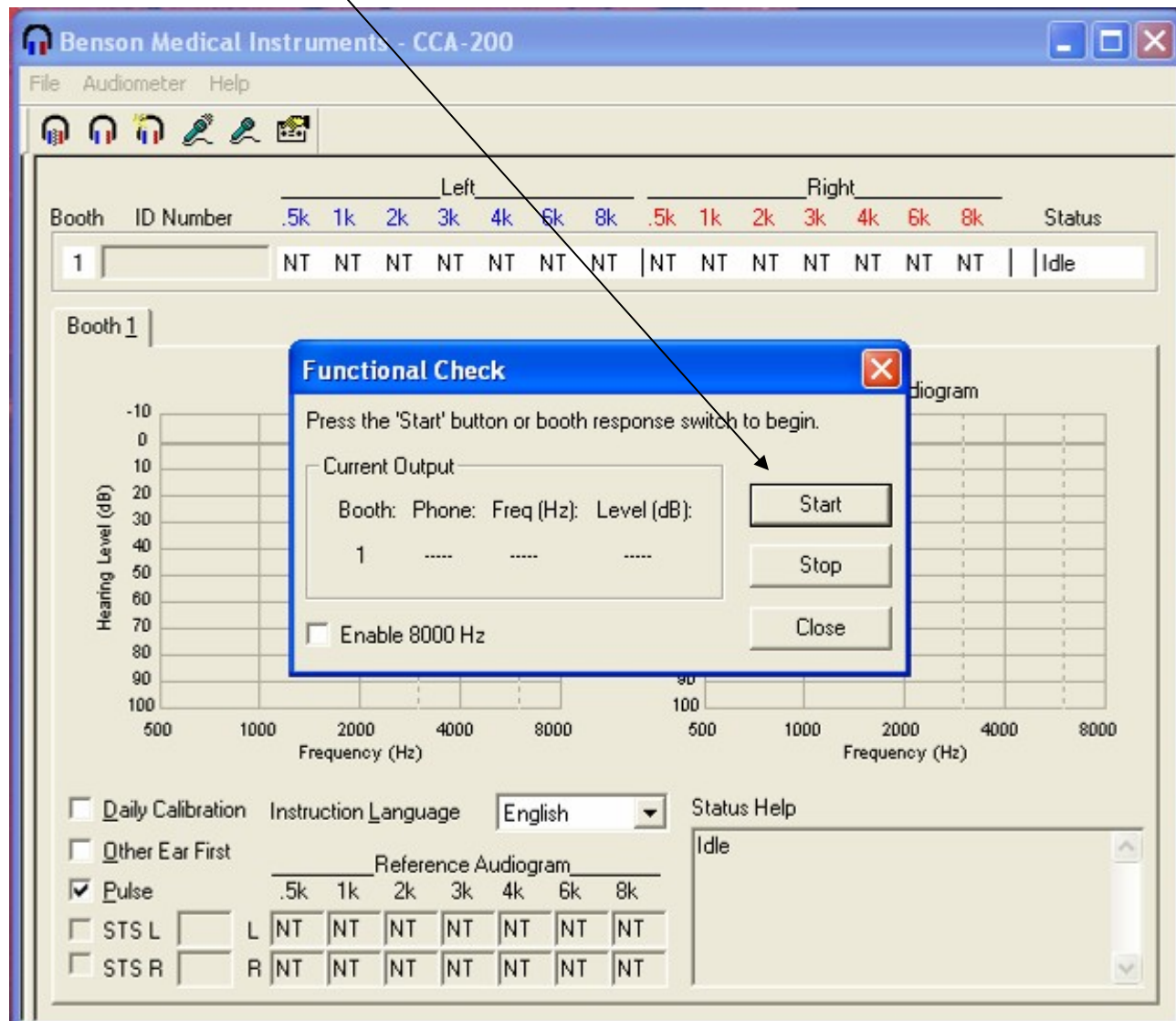
-  Automatically Sweeps Frequencies in the Left Earphone After Being Initialized
-  Automatically Sweeps Intensities in the Right Earphone After Frequencies are Done
-  Pressing the Handswitch after the Intensity Check
-  Allows the Tones to Go from Ear to Ear to Check for Crosstalk and Static

Be Sure to Listen to the Tones when

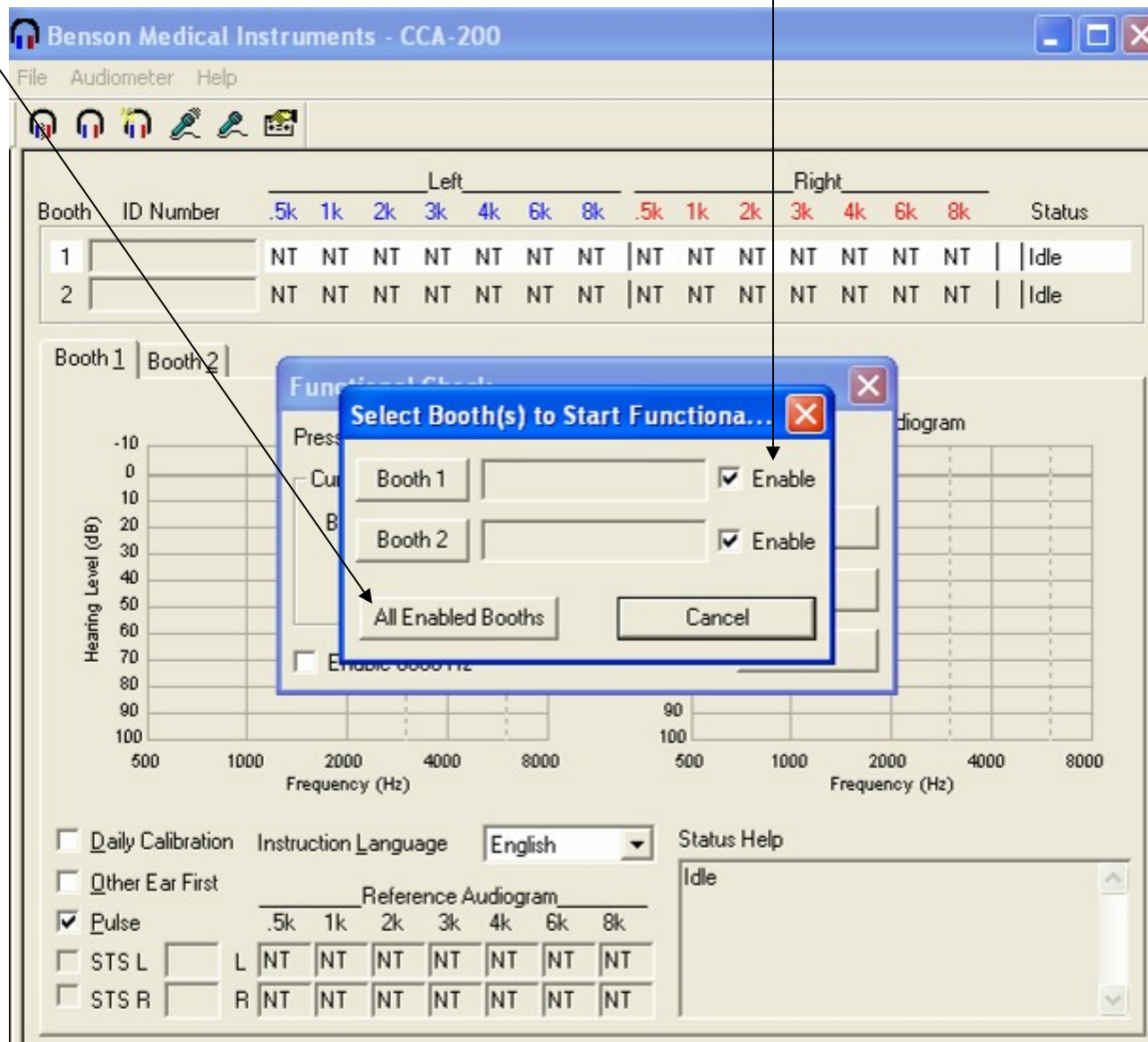
Select Audiometer>Functional Check



Click the Start Button or,
Click the Handswitch to Start the Functional Check

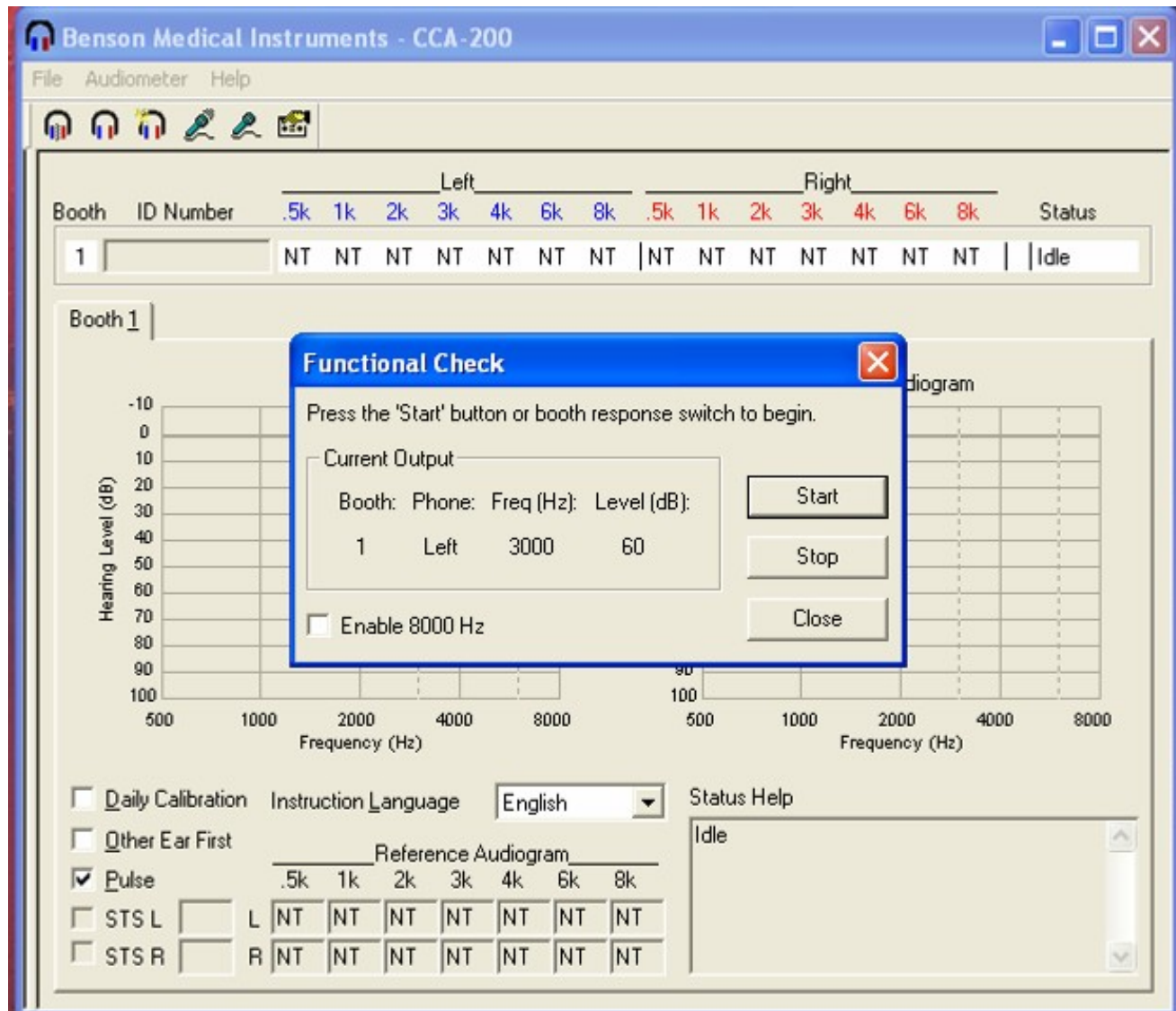


If Using Multiple Test Stations, Enable All Stations, then Click All Enabled Booths



Functional Check Starts

When Complete, Click Stop and Close



Biological Calibration Check

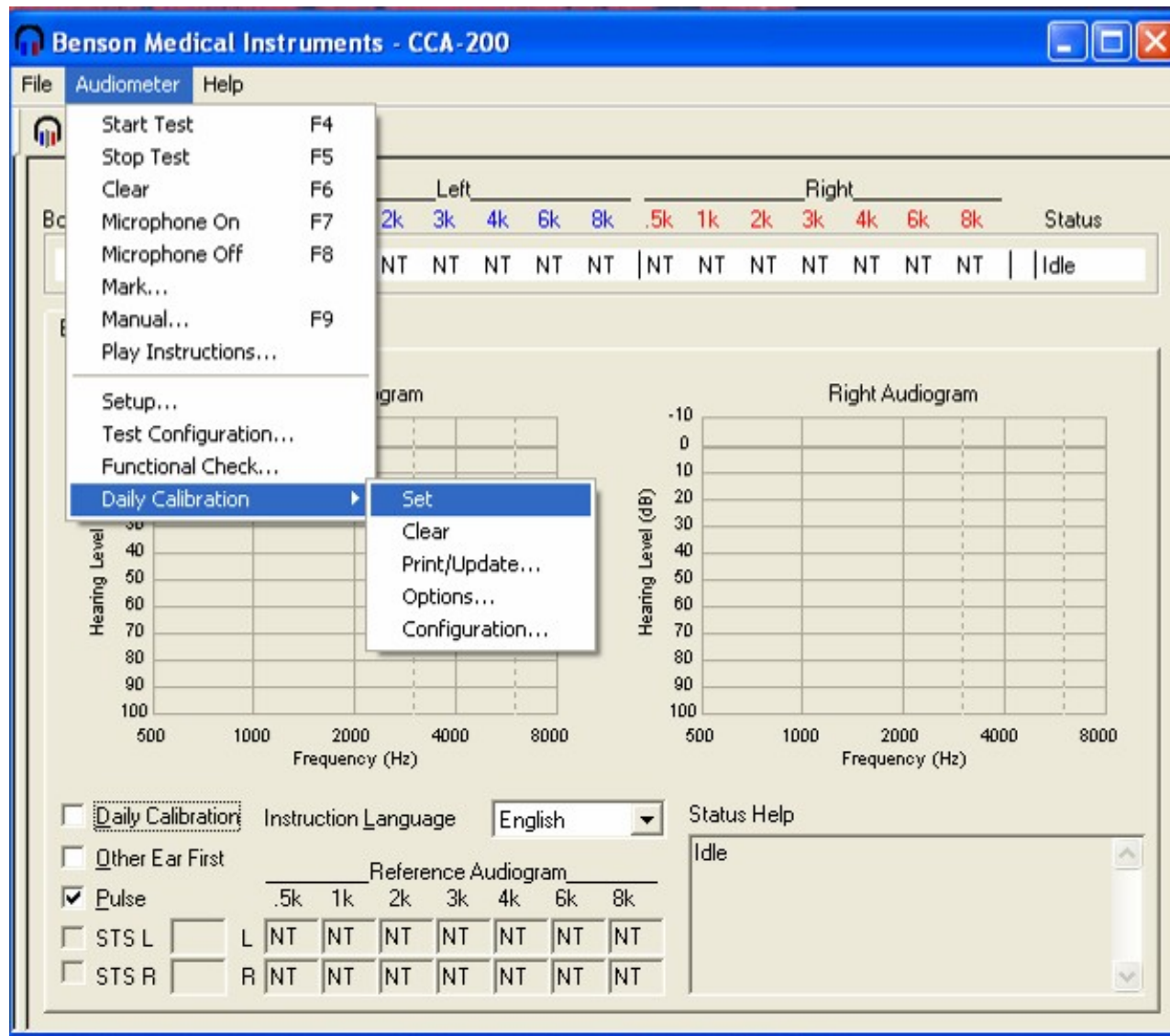
Ensure the headphones are in place on the ME-500

Ensure the ME-500 is properly connected to the audi

Ensure that the handswitch is unplugged



Select Daily Calibration>Set, or
Click the “Daily Calibration” Box



Daily Calibration Box is Checked

Benson Medical Instruments - CCA-200

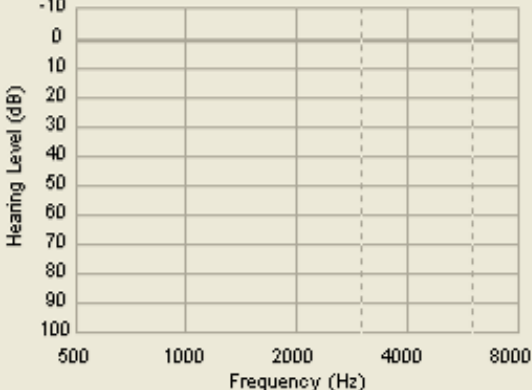
File Audiometer Help

Icons: [Speaker], [Headphones], [Microphone], [Stethoscope], [Printer]

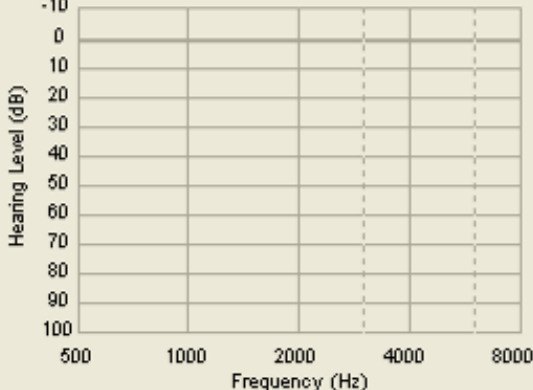
Booth	ID Number	Left							Right							Status
		.5k	1k	2k	3k	4k	6k	8k	.5k	1k	2k	3k	4k	6k	8k	
1		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Idle

Booth 1

Left Audiogram



Right Audiogram



☒ Daily Calibration Instruction Language: English

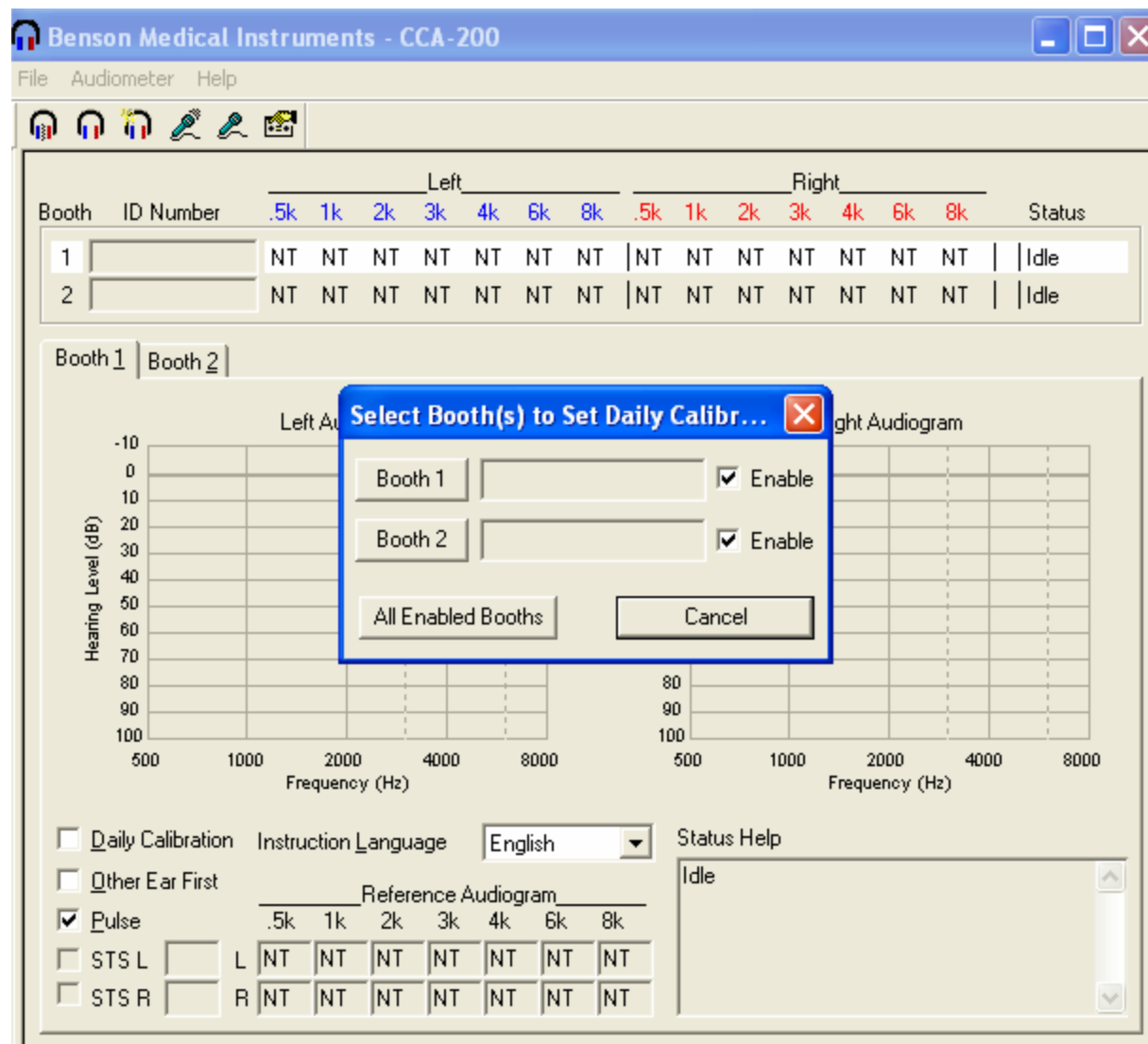
☐ Other Ear First

☒ Pulse

		Reference Audiogram						
		.5k	1k	2k	3k	4k	6k	8k
<input type="checkbox"/> STS L	L	NT	NT	NT	NT	NT	NT	NT
<input type="checkbox"/> STS R	R	NT	NT	NT	NT	NT	NT	NT

Status Help: Idle







If Calibrating Multiple Test Stations, Enable All Stations, to “All Enabled Booths”



Click the "Start" Button

Benson Medical Instruments - CCA-200

FileAudiometerHelp



Booth

ID Number

1

Left

.5k

1k

2k

3k

4k

6k

8k

Right

.5k

1k

2k

3k

4k

6k

8k

Status

Idle

Booth 1

Left Audiogram

Hearing Level (dB)

-10

0

10

20

30

40

50

60

70

80

90

100

500

1000

2000

4000

8000

Right Audiogram

Hearing Level (dB)

-10

0

10

20

30

40

50

60

70

80

90

100

500

1000

2000

4000

8000

☒ Daily Calibration

Instruction Language

English

☐ Other Ear First

Reference Audiogram

.5k

1k

2k

3k

4k

6k

8k

L

NT

NT

NT

NT

NT

NT

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R

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☒ Pulse

STS L

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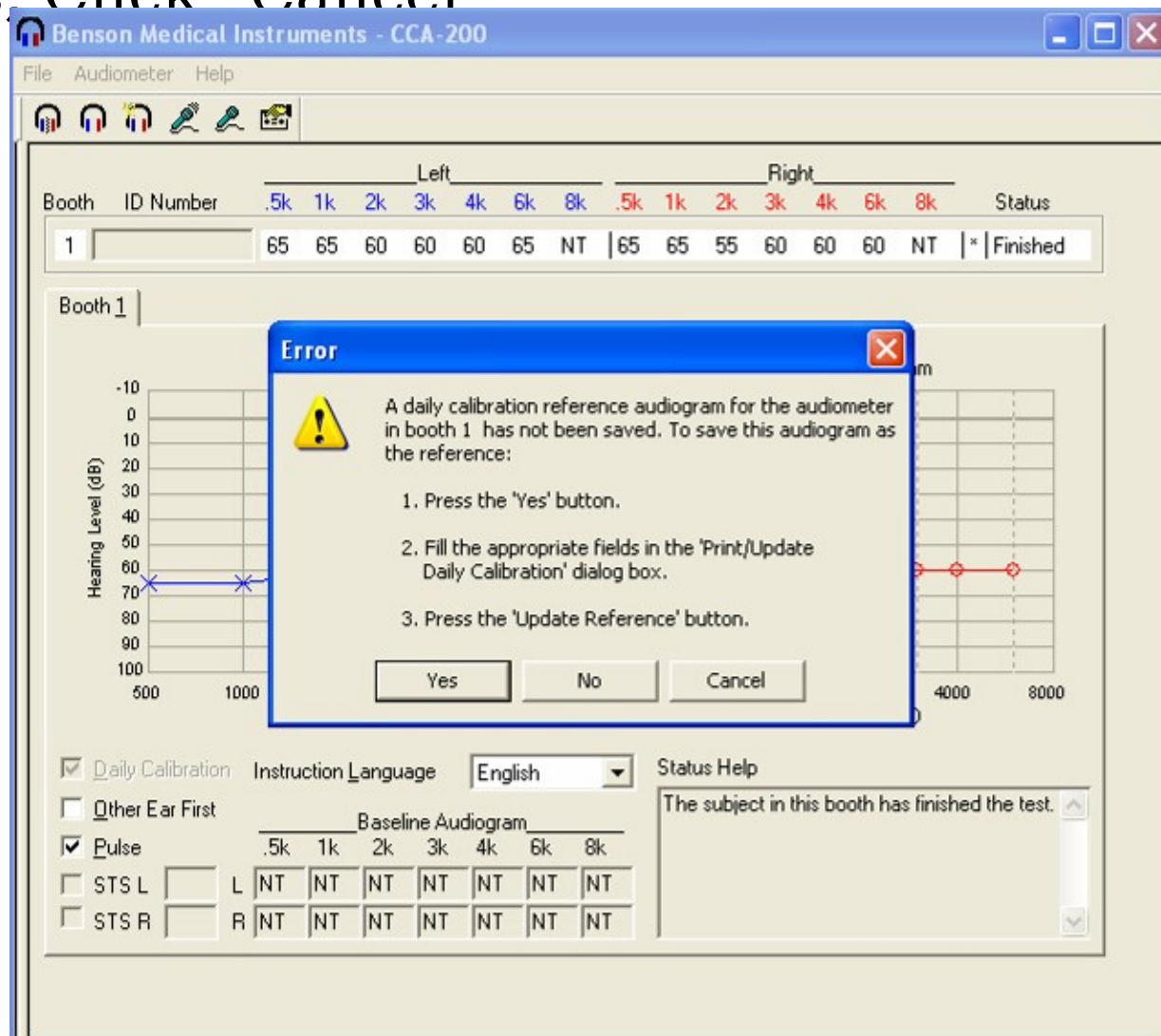
NT

Status Help

Idle

13

When Calibration is Finished, the CCA-200 May Suggest Printing a “Certificate of Daily Calibration” - If Window Appears, Click “Cancel”



Maximize DOEHRS-HC - Retrieve Calibration Results; Select File>Retrieve from Audiometer>All Stations

Defense Occupational Environmental Health Readiness System - Hearing Conservation

File Edit View Functions Reporting Data Help

Transfer to Audiometer
Retrieve from Audiometer
Clear Test Results

Users Ctrl+U
Change Password Ctrl+P
Exclude Password
Change Login
User Stats
Exit

Current Station
All Stations

Left Ear
Right Ear

IDN (SSN) .5k 1k 2k 3k 4k 6k 8k .5k 1k 2k 3k 4k 6k 8k

ons Retrieve All Stations Print All Stations Clear All Stations

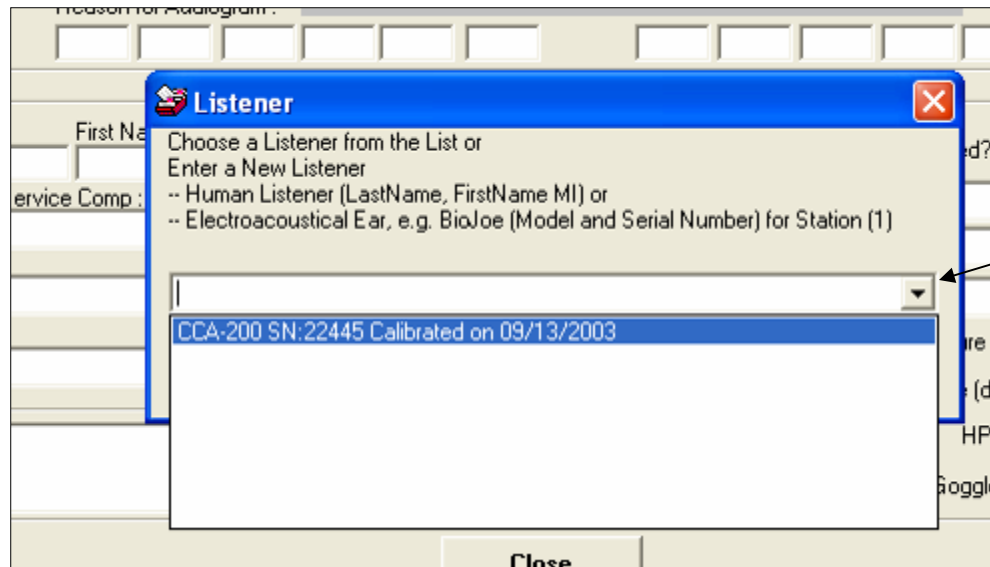
Reference Audiogram
IDN (SSN) Reason for Audiogram : Date : ...

Demographic Data
Last Name : First Name : MI : Gender : Date of Birth :
DoD Comp : Service Comp : Rank/Grade : SDOC :
UIC/WIC : Branch/Career Field :
Major Command : Location/Place of Work : Comm. Phone :
Remarks

Audiogram Type
Hazardous noise exposed? Yes : No :
Type :
Reason for Audiogram :
ENT Problem ? NFHs :
Steady Noise Exposure (TWA - dBA) :
Impulse Noise Exposure (dBP) :
HPD Issued :
Glasses/Goggles Worn :

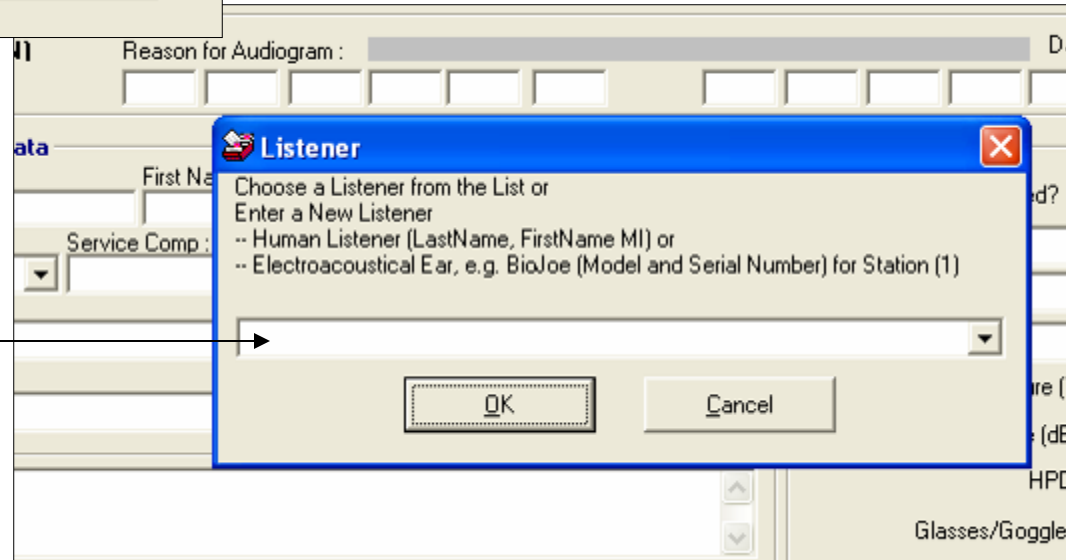
Close

Choose a Listener from the Drop Down List or Enter a New Listener
If Using Multiple Test Stations, Repeat for Each Applicable



Existing Listener

New Listener



With DOEHRs-HC v3.2.13, the First Time a Biological Calibration is Completed with a New Audiometer, the Listener Name is Automatically Suggested When the Results are Retrieved into DOEHRs-HC

Defense Occupational Environmental Health Readiness System - Hearing Conservation

File Edit View Functions Reporting Data Help

Run Test

HL Data

		IDN (SSN)	Left Ear						Right Ear							
			.5k	1k	2k	3k	4k	6k	8k	.5k	1k	2k	3k	4k	6k	8k
T	R	P	C	-1-												
T	R	P	C	-2-												

Transfer All Stations Retrieve All Stations Print All Stations Clear All Stations

Reference Audiogram

IDN (SSN) Reason for Test Date:

Demographic Data

Last Name: First Name: DoD Comp: Service Comp: UIC/WIC: Major Command: Remarks:

Listener

Choose a Listener from the List or
Enter a New Listener
-- Human Listener (LastName, FirstName MI) or
-- Electroacoustical Ear, e.g. BioJoe (Model and Serial Number) for Station (2)

CCA-200 SN:20520 Calibrated on 12/29/2003

Close

New Audiometer = One Not Previously Connected to that DOEHRs-HC Computer, or One Returned from Annual, Exhaustive, Electroacoustic Calibration

HL Test

HL Data

		Left Ear											Right Ear			
		IDN (SSN)	.5k	1k	2k	3k	4k	6k	8k	.5k	1k	2k				
T	R	P	C	-1-												
T	R	P	C	-2-												

Reference Audiogram

IDN (SSN) Reason for Audiogram:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Demographic Data

Last Name: First Name:

DoD Comp: Service Comp:

UIC/WIC:

Major Command:

Biological Calibration Checks

This will establish a new baseline for listener CCA-200 SN:20520 Calibrated on 12/29/2003 and Audiometer SN = 20520

OK

18

If a New Listener, a New Baseline is Created for the New Listener and Corresponding Audiometer

Defense Occupational Environmental Health Readiness System - Hearing Conservation

File Edit View Functions Reporting Data Help

Run Test

HL Data

IDN (SSN)	Left Ear							Right Ear						
	.5k	1k	2k	3k	4k	6k	8k	.5k	1k	2k	3k	4k	6k	8k
T R P C -7-														

Transfer All Stations Retrieve All Stations Print All Stations Clear All Stations

Reference Audiogram

IDN (SSN) Reason for Audiogram : Date : ...

Demographic Data

Last Name : First Name : ML : Gender : Date of Birth :
DoD Comp : Service Comp : Rank/Gr :
UIC/WIC : Branch/Ca :
Major Command : Location/P :

Audiogram Type

Previous noise exposed? Yes : ☒ No : ☐
Type :
Reason for audiogram :
Problem ? NFHs :
Ready Noise Exposure (TWA - dBA) :
Use Noise Exposure (dBP) :
HPD Issued :
Glasses/Goggles Worn :

Biological Calibration Checks

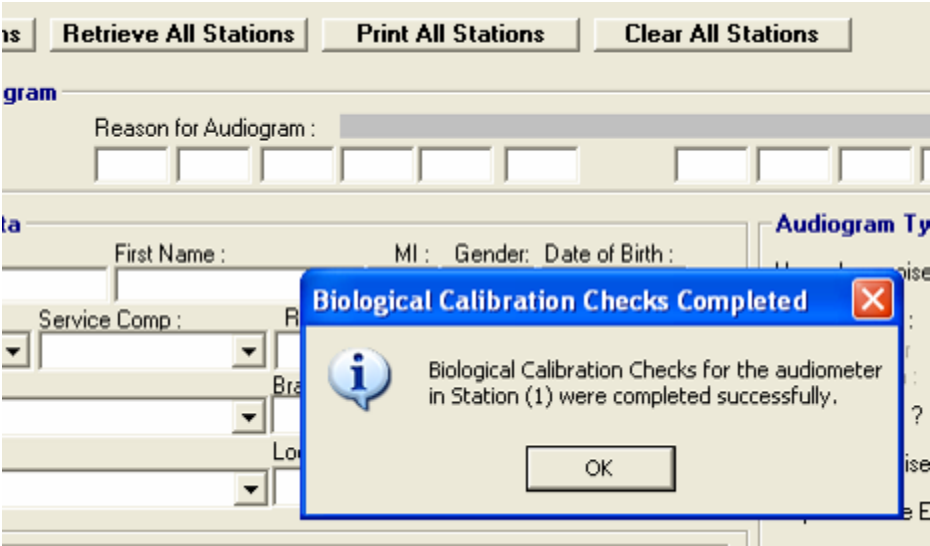
This will establish a new baseline for listener Bio #1 and Audiometer SN = 22445

OK

Remarks

Close

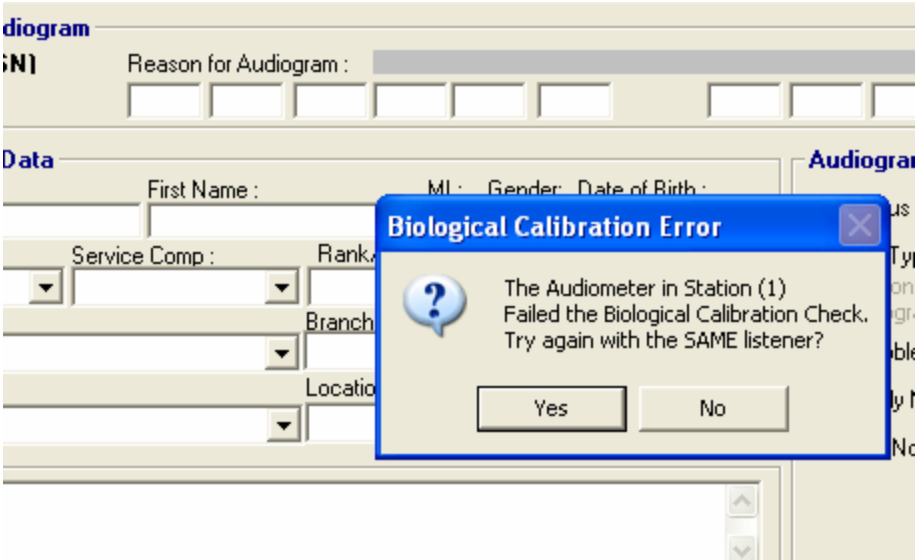
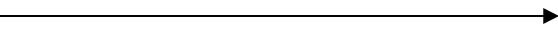
Status of Calibration Appears after the Listener is Identified



Successful



Failed



Message Appears if the Audiometer Failed and User Answers Try Again

Defense Occupational Environmental Health Readiness System - Hearing Conservation

File Edit View Functions Reporting Data Help

Run Test

HL Data

Left Ear								Right Ear							
IDN (SSN)	.5k	1k	2k	3k	4k	6k	8k	.5k	1k	2k	3k	4k	6k	8k	
T R P C 1															

Transfer All Stations Retrieve All Stations Print All Stations Clear All Stations

Reference Audiogram

IDN (SSN) Reason for Audiogram: Date: ...

Demographic Data

Last Name: First Name: MI: Gender: Date of Birth: ...

DoD Comp: Service Comp: Rank/G: ...

UIC/WIC: Branch/C: ...

Major Command: Location/ ...

Audiogram Type

Continuous noise exposed? Yes: No: ...

Type: ...

Reason for audiogram: ...

Problem? NFHs: ...

Ready Noise Exposure (TWA - dBA): ...

Ready Noise Exposure (dBP): ...

HPD Issued: ...

Glasses/Goggles Worn: ...

Remarks

Close

Error

Please rerun the Daily Calibration

OK

Message Appears if the Audiometer Failed and User Answered Try Again

Defense Occupational Environmental Health Readiness System - Hearing Conservation

File Edit View Functions Reporting Data Help

Run Test

HL Data

IDN (SSN)	Left Ear							Right Ear						
	.5k	1k	2k	3k	4k	6k	8k	.5k	1k	2k	3k	4k	6k	8k
T R P C 1														

Transfer All Stations Retrieve All Stations Print All Stations Clear All Stations

Reference Audiogram

IDN (SSN) Reason for Audiogram : Date :

Demographic Data

Last Name : First Name : MI : Gender : Date of Birth :
DoD Comp : Service Comp :
UIC/WIC :
Major Command :

Audiogram Type

Used? Yes: No:
NFHs :
Pressure (TWA - dBA) :
Pressure (dBp) :
HPD Issued :
Glasses/Goggles Worn :

Remarks

Error (Biological Calibration Failure)

The Audiometer in Station (1)
Failed the Biological Calibration Check.
Remove the audiometer from service until repaired or calibrated.

OK

Close

Tips For Successful Calibration

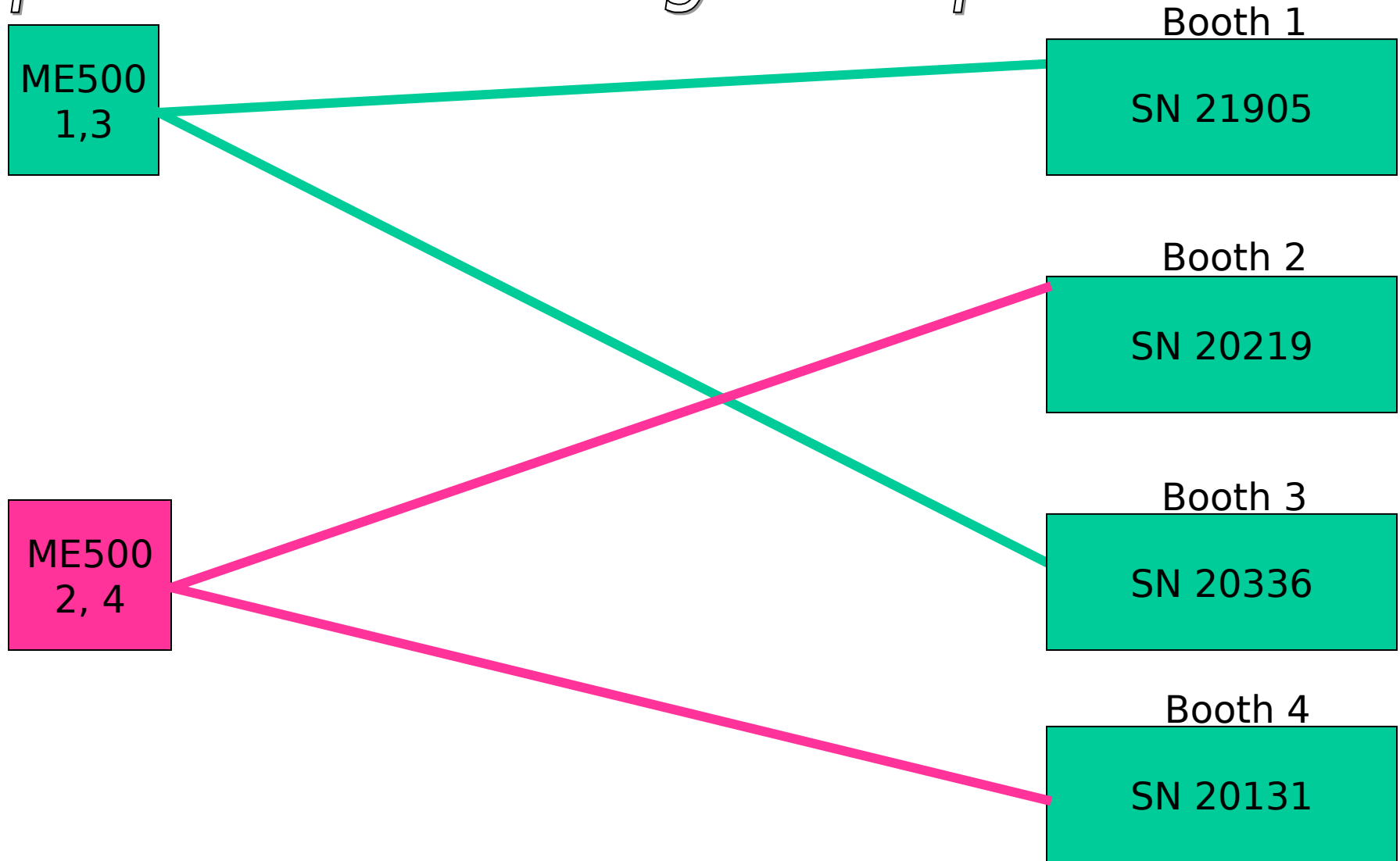
Make Sure You Have a Good Baseline

Check All Threshold Levels Before Retrieving Them from t

Know the Listener and Audiometer Assignments

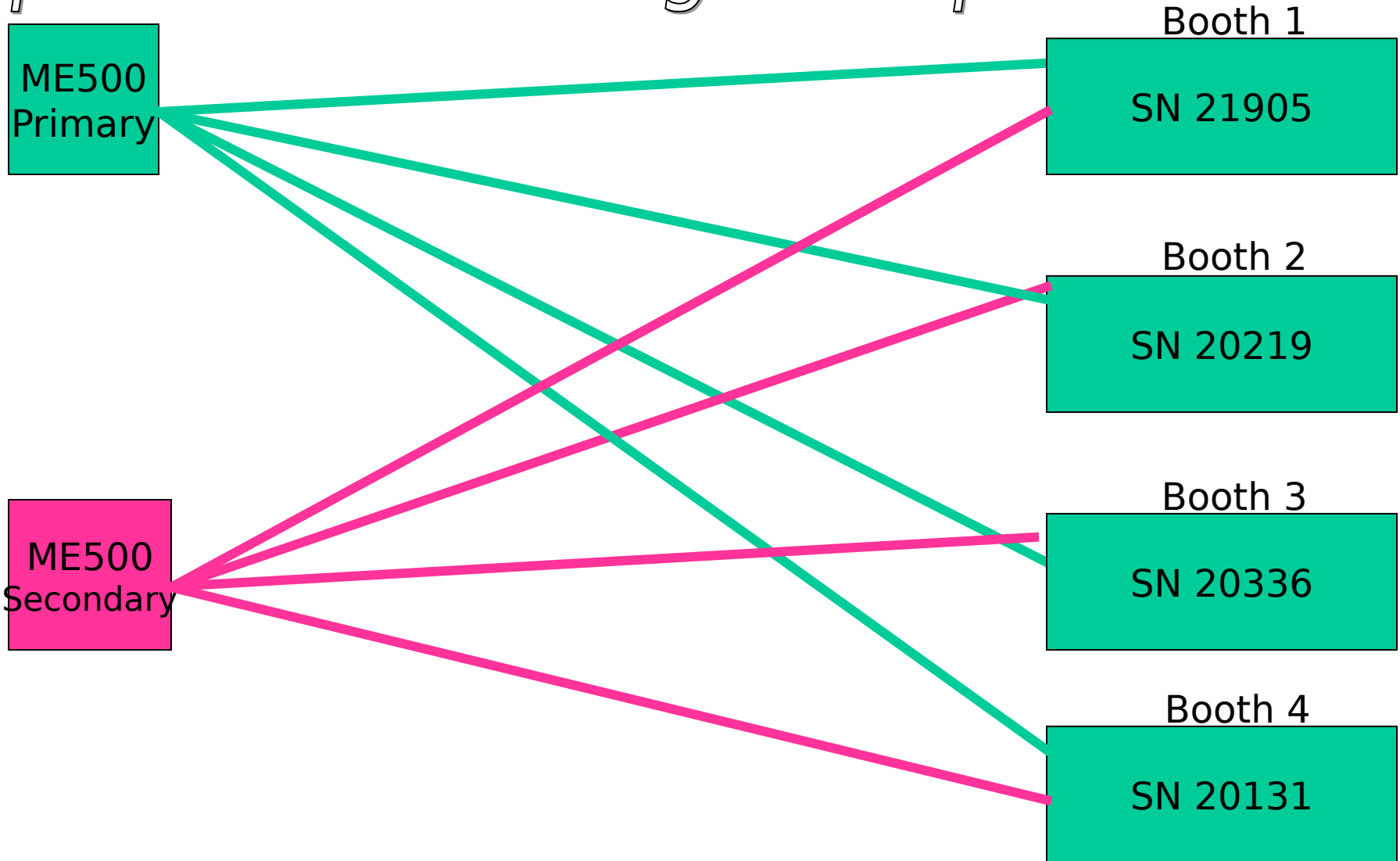


Tips for calibrating multiple stations



Be consistent when using ME500s to calibrate audiometers

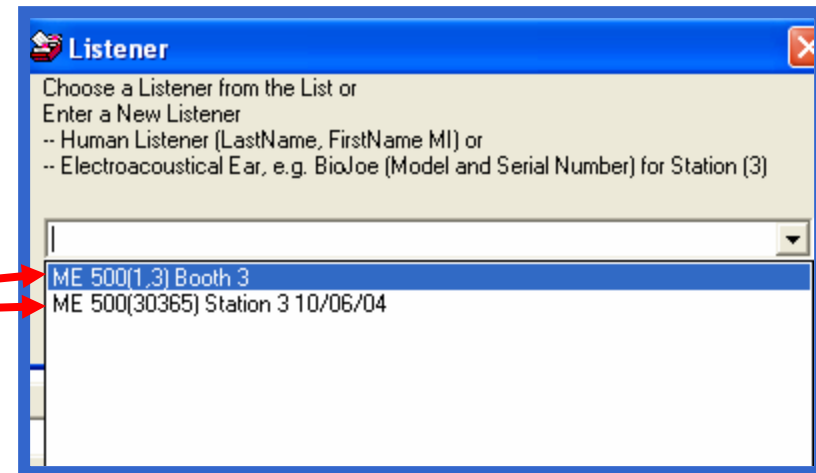
Tips for calibrating multiple stations



Be consistent when using ME500s to calibrate audiometers

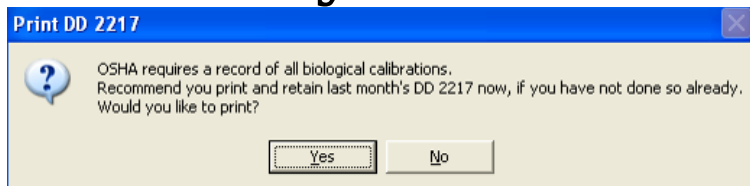
More Calibration Tips

- When naming listeners
 - Use naming convention that will allow you to easily select the correct audiometer and listener
- Question stations/booths that have ~~more than one~~ current 2217
 - DOEHRH-HC is programmed so that when an audiometer is removed, it no longer appears in the pick list.

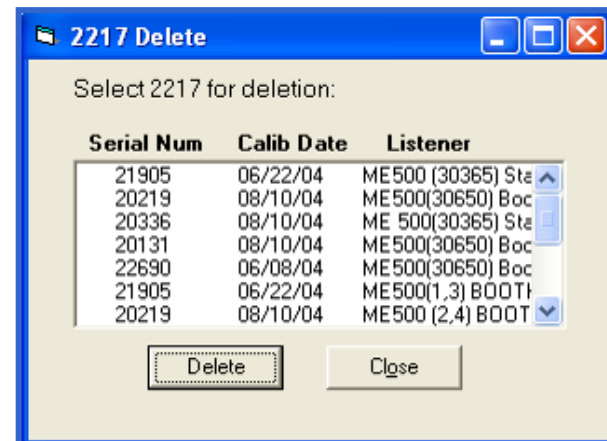


Calibration Maintenance

- Maintain calibration data for 5 years
- Print 2217s monthly



print 2217s at the end of the month



BIOLOGICAL AUDIOMETER CALIBRATION CHECK <small>(This form is subject to the Privacy Act of 1974)</small>														
1. AUDIOMETER		2. MANUFACTURER		3. MODEL		4. SERIAL NUMBER		5. DATE OF PREVIOUS CALIBRATION DATE						
		MAICO Inc.		OCA-200		21905		22 Jan 2004						
6. LISTENER		7. TESTER		8. TESTER		9. TESTER		10. TESTER						
11. DATE OF PREVIOUS CALIBRATION DATE		12. DATE OF PREVIOUS CALIBRATION DATE		13. DATE OF PREVIOUS CALIBRATION DATE		14. DATE OF PREVIOUS CALIBRATION DATE		15. DATE OF PREVIOUS CALIBRATION DATE						
16. DATE OF PREVIOUS CALIBRATION DATE		17. DATE OF PREVIOUS CALIBRATION DATE		18. DATE OF PREVIOUS CALIBRATION DATE		19. DATE OF PREVIOUS CALIBRATION DATE		20. DATE OF PREVIOUS CALIBRATION DATE						
21. DATE OF PREVIOUS CALIBRATION DATE		22. DATE OF PREVIOUS CALIBRATION DATE		23. DATE OF PREVIOUS CALIBRATION DATE		24. DATE OF PREVIOUS CALIBRATION DATE		25. DATE OF PREVIOUS CALIBRATION DATE						
26. DATE OF PREVIOUS CALIBRATION DATE		27. DATE OF PREVIOUS CALIBRATION DATE		28. DATE OF PREVIOUS CALIBRATION DATE		29. DATE OF PREVIOUS CALIBRATION DATE		30. DATE OF PREVIOUS CALIBRATION DATE						
31. DATE OF PREVIOUS CALIBRATION DATE		32. DATE OF PREVIOUS CALIBRATION DATE		33. DATE OF PREVIOUS CALIBRATION DATE		34. DATE OF PREVIOUS CALIBRATION DATE		35. DATE OF PREVIOUS CALIBRATION DATE						
36. DATE OF PREVIOUS CALIBRATION DATE		37. DATE OF PREVIOUS CALIBRATION DATE		38. DATE OF PREVIOUS CALIBRATION DATE		39. DATE OF PREVIOUS CALIBRATION DATE		40. DATE OF PREVIOUS CALIBRATION DATE						
41. DATE OF PREVIOUS CALIBRATION DATE		42. DATE OF PREVIOUS CALIBRATION DATE		43. DATE OF PREVIOUS CALIBRATION DATE		44. DATE OF PREVIOUS CALIBRATION DATE		45. DATE OF PREVIOUS CALIBRATION DATE						
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61. DATE OF PREVIOUS CALIBRATION DATE		62. DATE OF PREVIOUS CALIBRATION DATE		63. DATE OF PREVIOUS CALIBRATION DATE		64. DATE OF PREVIOUS CALIBRATION DATE		65. DATE OF PREVIOUS CALIBRATION DATE						
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71. DATE OF PREVIOUS CALIBRATION DATE		72. DATE OF PREVIOUS CALIBRATION DATE		73. DATE OF PREVIOUS CALIBRATION DATE		74. DATE OF PREVIOUS CALIBRATION DATE		75. DATE OF PREVIOUS CALIBRATION DATE						
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81. DATE OF PREVIOUS CALIBRATION DATE		82. DATE OF PREVIOUS CALIBRATION DATE		83. DATE OF PREVIOUS CALIBRATION DATE		84. DATE OF PREVIOUS CALIBRATION DATE		85. DATE OF PREVIOUS CALIBRATION DATE						
86. DATE OF PREVIOUS CALIBRATION DATE		87. DATE OF PREVIOUS CALIBRATION DATE		88. DATE OF PREVIOUS CALIBRATION DATE		89. DATE OF PREVIOUS CALIBRATION DATE		90. DATE OF PREVIOUS CALIBRATION DATE						
91. DATE OF PREVIOUS CALIBRATION DATE		92. DATE OF PREVIOUS CALIBRATION DATE		93. DATE OF PREVIOUS CALIBRATION DATE		94. DATE OF PREVIOUS CALIBRATION DATE		95. DATE OF PREVIOUS CALIBRATION DATE						
96. DATE OF PREVIOUS CALIBRATION DATE		97. DATE OF PREVIOUS CALIBRATION DATE		98. DATE OF PREVIOUS CALIBRATION DATE		99. DATE OF PREVIOUS CALIBRATION DATE		100. DATE OF PREVIOUS CALIBRATION DATE						



Audiometer Care and Calibration Practice